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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3640	(full or prefix) near4 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 12:53
L2	78	1 and protocol adj processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L3	60	2 and search$6 and key and tree	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L4	55	3 and hash$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:11
L5	6	4 and variable near5 (length or size) near5 key	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 12:59
L6	41	1 and variable near5 (length or size) near5 key	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L7	23	6 and pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:04
L8	9	7 and processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:06
L9	17	7 and processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:06

EAST Search History

L10	11	7 and processor near6 search$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:06
L11	1074	variable near5 (length or size) near5 key	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L12	7	11 and protocol adj processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L13	254	11 and search$6 and key and tree	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:10
L14	86	11 and search$6 same (key and tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:11
L15	66	11 and search$6 with (key and tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:11
L16	63	11 and search$6 near6 (key and tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:11
L17	31	16 and hash$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:12
L18	29	16 and hash$5 and table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:14
L19	13	16 and hash$5 and pattern and processor and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:16

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L20	2	"5946679".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:16

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4594	(prefix or full) near6 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:33
L2	4300	1 not (international).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L3	74	2 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L4	30	3 and length and search$6 and key and tree and hash$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:37
L5	13	3 and length and search$6 and key and tree and hash$7 and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L6	4287	1 not (international or ibm).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L7	17	3 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L8	425	6 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L9	17	8 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47

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L10	144	8 and protocol with processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47
L11	13	10 and ("707"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:48

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4594	(prefix or full) near6 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L2	4300	1 not (international).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L3	74	2 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L4	30	3 and length and search$6 and key and tree and hash$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:37
L5	13	3 and length and search$6 and key and tree and hash$7 and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L6	4287	1 not (international or ibm).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L7	17	3 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L8	425	6 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L9	17	8 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47

L10	144	8 and protocol with processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47
L11	13	10 and ("707"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L12	481	1 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L13	193	12 and ("707"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L14	12	13 and co-processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:51
L15	32	12 and co-processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:52
L16	34	1 and co-processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L17	2728	(prefix or full) adj6 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L18	27	17 and co-processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4594	(prefix or full) near6 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L2	4300	1 not (international).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L3	74	2 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L4	30	3 and length and search$6 and key and tree and hash$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:37
L5	13	3 and length and search$6 and key and tree and hash$7 and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L6	4287	1 not (international or ibm).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L7	17	3 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:46
L8	425	6 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L9	17	8 and protocol near3 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47

L10	144	8 and protocol with processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:47
L11	13	10 and ("707"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:58
L12	481	1 and length and search$6 and key and tree and pattern and control$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L13	193	12 and ("707"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:50
L14	12	13 and co-processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:51
L15	32	12 and co-processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:52
L16	34	1 and co-processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L17	2728	(prefix or full) adj6 match	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:54
L18	27	17 and co-processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:58
L19	614	17 and ip adj address	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:58

L20	378	19 and (retriev$6 or search$6 or fetch$6) near6 address	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:58
L21	247	20 and ("707"/$.ccls. or "370"/$. ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:59
L22	89	21 and search$6 and tree and key and pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 14:59
L23	70	22 and processors!	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:00
L24	7	23 and processor with protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:02
L25	66	23 and processor and protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:02
L26	62	23 and processor same protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:02
L27	7	23 and processor with protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:02

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Matthew I. Frank, Anant Agarwal, Mary K. Vernon

June 1997 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN symposium on Principles and practice of parallel programming PPOPP '97**, Volume 32 Issue 7

Publisher: ACM Press

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Parallel algorithm designers need computational models that take first order system costs into account, but are also simple enough to use in practice. This paper introduces the LoPC model, which is inspired by the LogP model but accounts for contention for message processing resources in parallel algorithms on a multiprocessor or network of workstations. LoPC takes the L, o and P parameters directly from the LogP model and uses them to predict the cost of contention, C

2　SoC and NoC: Combining architecture exploration and a path to implementation to build a complete SoC design flow from system specification to RTL

M. Anouar Dziri, Firaz Samet, Flavio Rech Wagner, Wander O. Cesário, Ahmed A. Jerraya

January 2003 **Proceedings of the 2003 conference on Asia South Pacific design automation ASPDAC**

Publisher: ACM Press

Full text available: 📄 pdf(456.42 KB)　Additional Information: full citation, abstract, references

This paper presents a full System-on-Chip (SoC) design flow from system specification to RT-level. A new approach to obtain a full path to implementation for SoC design is proposed. This approach combines architecture design space exploration using the VCC design environment and system synthesis using the ROSES design flow, allowing a true and complete system level design flow. The experiment with a VDSL application shows a significant reduction of design time.

3　Session 2A: embedded tutorial: Challenges and opportunities in broadband and wireless communication designs

Jan M. Rabaey, Miodrag Potkonjak, Farinaz Koushanfar, Suet Fei Li, Tim Tuan

November 2000 **Proceedings of the 2000 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Press

Full text available: 📄 pdf(295.17 KB)　Additional Information: full citation, abstract, references, citings

Communication designs form the fastest growing segment of the semiconductor market.

Both network processors and wireless chipsets have been attracting a great deal of research attention, financial resources and design efforts. However, further progress is limited by lack of adequate system methodologies and tools. Our goal in this tutorial is to provide impetus for development of communication design techniques and tools.The first part addresses network processors (NP) that we study from three v ...

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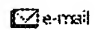
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☐ 2. **A high speed protocol processor to boost gateway performance**
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☐ 3. **Mapping the DVB physical layer onto SDR-enabled protocol processor hardware**
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Design, Automation and Test in Europe Conference and Exhibition, 2003
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